

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

5

Complete if Known

Application Number	10/556,224
Filing Date	September 27, 2006
First Named Inventor	Martin Hendrix et al.
Art Unit	1624
Examiner Name	Susanna Moore

Attorney Docket Number

01-2116

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
A1	US- 5 041 449		08-20-1991	BELLEAU ET AL.	
A2	US- 5 047 407		09-10-1991	BELLEAU ET AL.	
A3	US- 5 270 315		12-14-1993	BELLEAU ET AL.	
A4	US- 5 294 612		03-15-1994	BACON ET AL.	
A5	US- 5 466 806		11-14-1995	BELLEAU ET AL.	
A6	US- 5 541 187		07-30-1996	BACON ET AL.	
A7	US- 5 563 049		10-08-1996	KOJIMA ET AL.	
A8	US- 5 684 164		11-04-1997	BELLEAU ET AL.	
A9	US- 5 750 673		05-12-1998	MARTIN PIERRE	
A10	US- 5 053 499		10-01-1999	KOJIMA ET AL.	
A11	US- 5 969 116		10-19-1999	MARTIN, PIERRE	
A12	US- 5 977 332		11-02-1999	MARTIN, PIERRE	
A13	US- 5 977 118		11-02-1999	BACON ET AL.	
A14	US- 6 100 037		08-08-2000	PHILLIPS ET AL.	
A15	US- 6 175 008		01-16-2001	BELLEAU ET AL.	
A16	US- 6 174 884		01-16-2001	HANING ET AL.	
A17	US- 6 211 158		04-03-2001	SEELA ET AL.	
A18	US- 6 831 174		11-15-2001	BELLEAU ET AL.	
A19	US- 2001 041797		11-15-2001	BELLEAU ET AL.	
A20	US- 6 350 753		02-26-2002	BELLEAU ET AL.	
A21	US- 2002 058635		05-16-2002	AVERETT, DEVRON R.	
A22	US- 6 458 796		10-01-2002	HANING ET AL.	
A23	US- 6 479 463		11-12-2002	WANG ET AL.	
A24	US- 2003 087918		05-08-2003	BELLEAU ET AL.	
A25	US- 6 903 224		05-08-2003	BELLEAU ET AL.	
A26	US- 7 067 507		12-25-2003	PULLEY ET AL.	
A27	US- 2004 185459		09-23-2004	OTSUKA ET AL.	
A28	US- 2004 220186		11-04-2004	BELL ET AL.	
A29	US- 2004 254201		12-16-2004	BELLEAU ET AL.	
A30	US- 7 122 693		12-16-2004	BELLEAU ET AL.	
A31	US-2005 209251		09-22-2005	LINKER ET AL.	
A32	US- 7 737 156		05-11-2006	BOSS ET AL.	
A33	US-2006 0111372		05-25-2006	HENDRIX ET AL.	
A34	US- 2007 037977		02-15-2007	BELLEAU ET AL.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

5

Complete if Known

Application Number	10/556,224
Filing Date	September 27, 2006
First Named Inventor	Martin Hendrix et al.
Art Unit	1624
Examiner Name	Susanna Moore

Attorney Docket Number

01-2116

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1	GB-937 724	09-25-1963	CIBA LTD		
	B2	DE-1 156 415	10-31-1963	CIBA GEIGY		C22
	B3	EP-0 286 028	10-12-1988	BOEHRINGER MANNHEIM GMBH		B57
	B4	DE-4 004 558	09-27-1990	SANYO KOKUSAKU PULP CO		A10
	B5	EP- 496 617	07-29-1992	GENSIA PHARMA		
	B6	WO-94 14802	07-07-1994	BELLEAU PIERRETTE & HF		
	B7	WO-94 17803	08-18-1994	GENSIA INC.		
	B8	EP-0 626 387	11-30-1994	CIBA GEIGY AG		
	B9	EP-0 679 657	11-02-1995	CIBA GEIGY AG		A9
	B10	WO-96 28429	09-19-1996	SANOFI WINTHROP INC		
	B11	WO-97 16456	05-09-1997	CHONG KUN DANG CORP		
	B12	WO-97 46569	12-11-1997	CIBA GEIGY AG		
	B13	WO-98 00434	01-08-1998	CIBA GEIGY AG		
	B14	WO-98 16184	04-23-1998	ICN PHARMACEUTICALS		
	B15	JP-11 501923	02-16-1999			
	B16	CA-2 357 146	07-13-2000	INCYTE PHARMA INC		
	B17	WO-2000 043394	07-27-2000	USTAV EX BOTAN AKADEMIE VED CE		
	B18	WO-2001 05758	01-25-2001	NPS ALLEXIL CORP		
	B19	WO-2001 06035	01-25-2001	HENKEL KGAA		C21
	B20	JP-2001 514638	09-11-2001	BAYER AG		A16
	B21	WO-2001 077075	10-18-2001	INOTEK CORP		
	B22	WO-2002 16348	02-28-2002	ASTRAZENECA AB		
	B23	WO-2002 057425	07-25-2002	MERCK & CO INC		
	B24	JP-2002 523507	07-30-2002			A22
	B25	WO-2002 074774	09-26-2002	PFIZER LTD		
	B26	WO-2002 086160	10-31-2002	MITSUBISHI RAYON CO		A27
	B27	WO-2003 022859	03-20-2003	EPOCH BIOSCIENCES INC		
	B28	WO-2003 037432	05-08-2003	PFIZER PROD INC		
	B29	CA-2 466 824	05-08-2003	PFIZER		
	B30	WO-2003 072757	09-04-2003	BIOTA INC		

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

3

of

5

Complete if Known

Application Number	10/556,224
Filing Date	September 27, 2006
First Named Inventor	Martin Hendrix et al.
Art Unit	1624
Examiner Name	Susanna Moore

Attorney Docket Number

01-2116

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)				
	B31	WO-2003 099840	12-04-2003	ISIS PHARMACEUTICAL S INC		
	B32	WO-2004 002999	01-08-2004	IDENIX CAYMAN LTD		
	B33	DE-102 38 722	03-11-2004	BAYER AG		A32
	B34	WO-2004 046331	06-03-2004	IDENIX CAYMAN LTD		
	B35	EP-1 460 077	09-22-2004	JORDANIAN PHARMACEUTICAL MFG		
	B36	JP-2004 536933	12-09-2004	PPG IND OHIO INC		B58
	B37	WO-2004 108139	12-16-2004	AREXIS AB		
	B38	WO-2005 051944	06-09-2005	UNIV CONNECTICUT		
	B39	JP-2005 531549	10-20-2005			A31
	B40	JP-2006 501272	01-12-2006	BOEHRINGER INGELHEIM INT		A32
	B41	JP-2006 503051	01-26-2006			
	B42	WO-2006 076455	07-20-2006	ARENA PHARM INC		
	B43	WO-2006 084281	08-10-2006	MILLENNIUM PHARM INC		
	B44	WO-2006 091905	08-31-2006	GILEAD SCIENCES INC		
	B45	WO-2006 125548	11-30-2006	BAYER HEALTHCARE AG		C20
	B46	WO-2007 025043	03-01-2007	IDENIX PHARMACEUTICAL S INC		
	B47	WO-2007 046747	04-26-2007	ASTRAZENECA AB		
	B48	WO-2008 005542	01-10-2008	GILEAD SCIENCES INC		
	B49	WO-2008 055959	05-15-2008	GALAPAGOS N V		
	B50	WO-2008 100447	08-21-2008	GILEAD SCIENCES INC		
	B51	WO-2008 104077	09-04-2008	METHYLGENE INC		
	B52	WO-2008 139293	11-20-2008	PFIZER		
	B53	WO-2009 068617	06-04-2009	BOEHRINGER INGELHEIM INT		
	B54	WO-2009 121919	10-08-2009	BOEHRINGER INGELHEIM INT		
	B55	WO-2010 026214	03-11-2010	BOEHRINGER INGELHEIM INT		
	B56	WO-2010 112437	10-07-2010	BOEHRINGER INGELHEIM INT		

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/556,224
				Filing Date	September 27, 2006
				First Named Inventor	Martin Hendrix et al.
				Art Unit	1624
				Examiner Name	Susanna Moore
Sheet	4	of	5	Attorney Docket Number	01-2116

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)				
	B57	CA-1 311 201	12-08-1992	BOEHRINGER MANNHEIM GMBH	ENG	
	B58	WO-2003 011925	02-13-2003	PPG IND OHIO INC	ENG	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Accessed on December 18, 2008, http://en.wikipedia.org/wiki/Amnesia	
	C2	Accessed on December 18, 2008, www.mentalhealth.org.uk/information/mental-health-a-z/dementia	
	C3	BARGER ET AL., Journal of Neurochemistry, 1995, Vol. 64. No. 5, pp. 2087-2096	
	C4	BRYN ET AL., Solid State Chemistry of Drugs, 1999, Vol. 2, No. 10, pp. 232-247	
	C5	Chemical Abstract Service, Database Chemcats, 2007, Database Accession No. ALB-H01677136, XP002556399	
	C6	FRANCIS ET AL., International Journal of Geriatric Psych., 2003, Vol. 18, pp. S15-21	
	C7	FRANCIS ET AL., Journal of Neurochemistry, 1993, Vol. 60, No. 5, pp. 1589-1604	
	C8	HARB ET AL., Chemical Papers, 2005, Vol. 159, No. 3, pp. 187-195	
	C9	HUNG ET AL., Journal of Organic Chemistry, 1981, Vol. 46, pp. 5413-5414	
	C10	Last accessed July 15, 2010, http://www.nlm.nih.gov/medlineplus/ency/article/000746.htm	
	C11	MARKWALDER, J. A. ET AL., Journal of Medicinal Chemistry, 2004, Vol. 47, pp. 5894-5911, XP002399637	
	C12	PRICKAERTS ET AL., Neuroscience, 2002, Vol. 113, pp. 351-361	
	C13	PUZZO ET AL., Journal of Neuroscience, 2005, Vol. 25, No. 29, pp. 6887-6897	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

5

of

5

Complete if Known

Application Number	10/556,224
Filing Date	September 27, 2006
First Named Inventor	Martin Hendrix et al.
Art Unit	1624
Examiner Name	Susanna Moore

Attorney Docket Number

01-2116

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C14	REYMANN ET AL., Neuropharmacology, 2007, Vol. 52, pp. 24-40	
	C15	SCHMIDT ET AL., "Pyrazolo[3,4-d]pyrimidin-nucleoside," Chemische Berichte, 1977, Vol. 110, pp. 2445-2455	
	C16	TIMBERLAKE ET AL., "Chemistry of Hydrazo-, Azo-, and Azoxy Groups," Patai, 1975, Chapter 4	
	C17	UGARKAR ET AL., Journal of Medicinal Chemistry, 1984, Vol. 27, No. 8, pp. 1026-1030	
	C18	VAN STAVEREN ET AL., Journal of Neurocytology, 2002, Vol. 31, pp. 729-741	
	C19	WANG ET AL., Gene, 2003, Vol. 314, pp. 15-27	
	C20	THOMSON INNOVATION RECORD VIEW, Publication Date: November 30, 2006, English Translation of Description and Claims for WO2006 125548	
	C21	THOMSON INNOVATION RECORD VIEW, Publication Date: January 25, 2001, English Translation of Description and Claims for WO-2001 006035	
	C22	THOMSON INNOVATION RECORD VIEW, Publication Date: October 31, 1963, English Translation of Description and Claims for DE 1 156 415	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2